

STAREX SR-0310FM

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,06
	Melt Flow Index	220°C, 10kg	ISO 1133	g/10min	20
	Water Absorption	23°C	ISO 62	%	0,3
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	78
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	97
	Heat Deflection Temperature (annealing)	1.8 MPa, 4.0mm	ISO 75-2	°C	101
	Heat Deflection Temperature (annealing)	0.45 MPa, 4.0mm	ISO 75-2	°C	105
	Vicat Softening Temperature	B/50	ISO R 306	°C	103
	Vicat Softening Temperature	B/120	ISO R 306	°C	106
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	48
	Tensile Strain at Break	50mm/min	ISO 527	%	35
	Tensile Modulus	50mm/min	ISO 527	MPa	2400
	Tensile Strength at Break	50mm/min	ISO 527	MPa	36
	Flexural Strength	2mm/min	ISO 178	MPa	78
	Flexural Modulus	2mm/min	ISO 178	MPa	2600
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m ²	20
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	20
	Rockwell Hardness	R-scale	ISO 2039-2	-	109